Nom : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Les lois des exposants**

**(-3)2 = -3 x-3 = 9 -32 = - (3x3) = -9**

1. Complète les égalités.
2. (-2) 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_ d) -2 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_
3. -3 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_ e) -1 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_
4. (-5) 2  = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_ g) (-4) 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_
5. Calcule le résultat des chaînes d’opérations suivantes. Laisse toutes les traces de tes démarches.

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| 1. -9 + (-3)2─ 5 = |  | 1. 7 – (-3) + (-2)2 = |
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| --- | --- | --- |
| 1. -15 ÷ (-3) ─ 4 x (-3)1 = |  | 1. 10 – 72 + (4 – 9) = |
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| 1. 25 – (+10) ─ 80 = |  | 1. 4 ─ (+5) + (-2)2 – 7 = |
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